

ISHCHENKO, N.D.; ROSHCHEVA, G.P. [Roshchyna, N.P.]

Structure of liquid systems with a eutectic diagram of state.
Part 1: Density of liquid binary systems with a eutectic diagram
of state. Ukr. fiz. zhur. 8 no.11:1241-1249 N '64. (MIRA 17:9)

1. Kiyevskiy gosudarstvenny universitat im. Shevchenko.

1. ISHCHENKO, F.
 2. USSR (600)
 4. Cotton Growing - Bukhara Province
 7. Collective farms of Bukhara Province in the struggle to increase cotton yield,
Khlopkovodstvo 3 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Un

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

AKHME DBABAYEV, M.Kh.; ARIFDZHANOV, K.A.; BELOUSOV, N.A.; BELYAKOV, S.P.;
ZOTOV, V.G.; ISAYEVA, Z.D.; MAKHMUDOV, I.A.; LSHCHENKO, F.S.;
KRASIL'NIKOV, Ya.A.; NIKOL'SKIY, I.P.; NETSETSKIY, A.M.;
PERGAT, F.F.; PAVLOVSKAYA, M.D.; SAMSONOV, L.S.; POLIZHAYEV,
A.I.; SMIRNOV, F.Ye.; SABININ, M.N.; SHUTYAYEV, N.A.; CHIZHIK,
V.I.; KARPENKO, P.M.; IMEROV, A.I.

Mikhail Aleksandrovich Nenetskii; obituary. Veterinariia 37
(MIRA 15:4)
no.10:94 O '60.
(Nenetskii, Mikhail Aleksandrovich, 1899-1960)

1. TIKHONIN, G.I., ISHCHENKO, F.K.
2. USSR (600)
4. Kirov Province - Forests and Forestry
7. Leading forest administration of Kirov Province. Les. khoz. No. 12 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ISHCHENKO, G., starshiy inzh.

Requirements of marine diesel engines during tests.
Mor. flot 21 no.12:25 D '61. (MIRA 14:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo
flota.
(Marine diesel engines--Testing)

KAPITANAKI, M.V.; ISHCHENKO, G.D.

Specific prophylaxis of infectious diseases in pheasants.
Veterinariia 42 no.8:48-50 Ag '65.

(MIRA 18:11)

1. Krasnodarskaya nauchno-issledovatel'skaya veterinarnaya
stantsiya.

VVEDENSKIY, P.I.; ALEMINA, M.T.; TESLENKO, F.F.; AKHTYRCHENKO, A.N.;
ISHCHENKO, G.N.

Economics of the removal of hydrogen sulfide from coke-oven. Koks
i khim. no.3:46-49 '58. (MIRA 11:3)

1. Khar'kovskiy inzhenerno-ekonomicheskiy institut (for Vvedenskiy,
Alenina, Teslenko), 2. Ukrainskiy uglekhimicheskiy institut (for
Akhtyrchenko, Ishchenko).

(Coke-oven gas) (Hydrogen sulfide)

Ishchenko, G.N.,
USSR / Microbiology. General Microbiology

F-1

Abs Jour : Ref Zhur - Biol., No 2, 1958, No 5063

Author : Shevchenko, O.I., Ishchenko, G.N.

Inst : Not given

Title : Biological Interrelationship Between an Original Strain of
Intestinal Bacillus and Its Sucrose Decomposing Sucrose Va-
riant. (Second Communication)

Orig Pub : Za sots. zdravookhr. Uzbekistana, 1956, No 5, 67-70

Abstract : Isolated colonies of the original strain, obtained by inoculation on a solid medium with sucrose, decomposed sucrose. In inoculation of this strain on a liquid medium with sucrose, no decomposition of the latter was observed. It was assumed that there are present antagonistic relationships between the original culture and its variant which fer-

Card : 1/2

Ishchenko, G.N.

USSR/Microbiology - Medical and Veterinary.

F-4

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26376

Author : Ishchenko, G.N.

Inst : Samarkand Medical Institute

Title : Materials for the Study of Coliform Bacilli Isolated
in Children.

Orig Pub : Sb. nauch. tr. Samarkandsk. med. in-t, 1956, 9, 31-38

Abst : A study was made of the variation of the properties of
1615 strains of coliform bacilli isolated in 125 chil-
dren who had suffered from intestinal disturbances, and
168 healthy children. The cultural and biochemical pro-
perties of the bacteria were studied following the
Jensen-Christiansen-Adam scheme. The studies included
hemolytic properties, toxicity (by the Gross technique),
and serological analysis of the cultures with Grigoryev-
Shig and Flexner sera. All the cultures were subject
to trypaflavin agglutination, methyl red reaction,

Card 1/2

USSR/Microbiology - Medical and Veterinary.

F-4

Abs Jour : Ref Zhur - Biologiya, No 7, 1957, 26376

Foges-Proskauer reaction, and determination of growth capacity on Doser citrate medium. The author concludes that changes in the properties of coliform bacilli in diseased and recovered children take place in the direction of acquisition of pathogenic properties. Such changes are most frequently noted in the Bact. coli commune group, less frequently in the Bact. coli citrovorum and Bact. coli aerogenes groups. An absence of parallelism is noted between the pathogenic features studied. The author believes that the coliform bacillus, while not the only etiological factor in children's summer diarrhoea, may sustain and reinforce pathological phenomena in the intestinal region, playing a similar role in the case of dysentery.

Card 2/2

SHEVCHENKO, F.I.; AKHTAMOV, M.A.; ISHCHENKO, G.N.; YRL'TEKOA, N.I.

Some results of the study of *Escherichia coli* with relation to
problems in the etiology of diarrhea in infants. *Pediatriia* 38
no.1:17-23 '60. (MIRA 13:10)
(DIARRHEA) (ESCHERICHIA COLI)

SHEVCHENKO, F.I., prof.; AKHTAMOV, M.A.; ISHCHENKO, G.N.; KAZAKOVA, A.N.;
EL'TEKOA, N.I.

Some results of a study of Escherichia coli in connection with
the etiology of diarrhea in small children. *Pediatria* 38. no.4:
17-23 Apr'60. (MIRA 16:7)

1. Iz kafedry mikrobiologii (zav.-prof. F.I.Shevchenko) Samar-
kandskogo meditsinskogo instituta imeni akademika Pavlova.
(ESCHERICHIA COLI) (DIARRHEA)

SHEVCHENKO, F.I., prof.; ISHCHENKO, G.N., kand.med.nauk

Stability of the pathogenic symptoms acquired by
Escherichia coli. Med. zhur. Uzb. no.5:39-41 My '60.

(MIRA 15:3)

1. Iz kafedry mikrobiologii Samarkandskogo gosudarstvennogo
meditsinskogo instituta imeni I.P. Pavlova.
(ESCHERICHIA COLI)

SHEVCHENKO, F.I., prof.; AKHTAMOV, M.A.; ISHCHENKO, G.N.; KAZAKOVA, A.N.;
EL'TEKOVA, N.I.

Biological characteristics of pathogenic serological types of
Escherichia coli. Med. zhur. Uzb. no.2:22-25 F '62. (MIRA 15:4)

1. Iz kafedry mikrobiologii Samarkandskogo gosudarstvennogo meditsinskogo instituta imeni I.P.Pavlova.
(*ESCHERICHIA COLI*)

ISHCHENKO, G. N.; F. MRAKULOVA, K.; SAMIGULLIN, R.

Comparative characteristics of some devices used in determining
microbial air contamination. Med. zhur. Uzb. no.6:16-18
Je '62. (MIRA 15:7)

1. Iz kafedry mikrobiologii (zav. - prof. F. I. Shevchenko)
Samarkandskogo meditsinskogo instituta.

(AIR SAMPLING APPARATUS)

ISHCHENKO, G.N., kand.med.nauk; EL'TEKOVA, N.I.; SKOROBACHEVA, R.N.

Effect of some helminths on the properties of *Escherichia coli*
in the human intestine. Nauch. trudy SamMI 21:30-32 '62.
(MIRA 17:5)

1. Iz kafedry mikrobiologii Samarkandskogo meditsinskogo
instituta imeni Pavlova.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

LOPUSHINSKAYA, V.M.; ISHCHENKO, G.T.; VOLKOVA, A.I.; SAMYSHKIN, M.S.

Immediate results of the treatment of a sarcoma of the vagina in
dogs with the use of betatron. Med.rad. 5 no.7:22-25 '60.

(MIRA 13:12)

(VAGINA--TUMORS)

(RADIOTHERAPY)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

ISHCHENKO, G.T.

Study of the therapeutic effect of betatron irradiation in malignant
tumors of the genitalia. Med.rad. 5 no.10:14-18 '60.
(MIRA 14:2)

(GENERATIVE ORGANS, FEMALE—CANCER)

ISHCHENKO, G.T., aspirant

Method of use of inhibitory betatron irradiation in cancer of the
female genitalia. Vest. rent. i rad. 35 no. 5:44-49 S-0 '60.
(MIRA 13:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. B.S. Poymer)
i kafedry rentgenologii i radiologii (dotaent D.K. Zavadovskiy)
Tomskogo meditsinskogo instituta (dir. - prof. I.V. Toroptsev).
(GENERATIVE ORGANS, FEMALE—CANCER)

IShchENKO, G. T., Cand. Med. Sci., — (diss) "Question on the method of radiation therapy of tumors in the female genital region with radiation from a betatron," Novosibirsk, 1961, 20 pp (Novosibirsk State Medical Institute) (KL-Supp 9-61, 190)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

ISHCHENKO, G.T.

Compression device used in betatron therapy. Med. rad. 6 no.4:
76-77 '61. (MIRA 14:12)
(RADIOTHERAPY-EQUIPMENT AND SUPPLIES)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

ISHCHENKO, I. (Kiyev)

Economic research on developing the productive forces of the
Ukrainian S.S.R. Vop. ekon. no.9:147-149 S '63. (MIRA 16:9)
(Ukrains--Economics--Congresses)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

PEROV, V.L.; BAKHTIZINA, R.I.; ISHCHENKO, I.I.

News review. Khim. prom. 40 no.9:711 S '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

ISHCHENKO, I., inzh.

Combining masonry work and plastering in winter. № stroj. Mosk. 2
(MIRA 12:3)
no.2:14-15 F '59.
(Moscow--Masonry--Cold weather conditions)
(Moscow--Plastering--Cold weather conditions)

ISHCHENKO, I.

Combined bricklaying and plastering under winter conditions.
Stroitel' no.10:13-14 O '59. (MIRA 13:2)
(Moscow--Bricklaying--Cold weather conditions)
(Moscow--Plastering--Cold weather conditions)

ISHCHENKO, I. I., CAND TECH SCI, "Joint execution
of CONCRETE PRODUCTION OF
STONE AND PLASTER OPERATIONS IN ~~HOME~~ BUILDING"^{housing construction}. MOSCOW,
1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR. MOSCOW OR-
DER OF LABOR RED BANNER ENGINEERING ~~AND~~ CONSTRUCTION INST
IMENI V. V. KUYBYSHEV). (KL-DV, 11-61, 219).

-148-

ISHCHENKO, Ivan Ivanovich. Prinimal uchastiye KASHIN, A.N.;
RAGINSKIY, S.A., nauchnyy red.; YAKUBOVICH, I.L., red.;
TOKER, A.M., tekhn. red.

[Masonry] Kamennoye raboty. Moskva, Proftekhizdat, 1962. 374 p.
(MIRA 15:12)
(Masonry)

L 23068-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(b) MJW/JD/WB

ACCESSION NR: AT4049947

S/2723/64/000/003/0124/0110

AUTHOR: Ishchenko, I. I.; Malinovskaya, I. A.

TITLE: The corrosion fatigue strength of ball bearing ShKh15 steel after electroslag smelting

SOURCE: AN UkrSSR. Fiziko-mekhanicheskiy institut. Vliyanije rabochikh sred na svoystva materialov, no. 3, 1964, 124-129

TOPIC TAGS: steel corrosion, ball bearing steel, steel fatigue, steel impurity, electroslag melting, stress concentrator/steel ShKh15

ABSTRACT: Recently, the electroslag smelting method developed by the Institut elektrosvarki im. Ye. O. Patona AN USSR (Arc Welding Institute of the AN UkrSSR) has been widely used for the production of extremely pure, homogeneous metal having a high density of macrostructures and no casting defects (see B. I. Medovar et al., Elektroslakovyj perepiav, M., Metallurgizdat, 1963). In 1963, the Institut mekhaniki (Institute for Mechanics) and Institut mashinovedeniya i avtomatiki (Institute for Machine Design and Automation) of the AN UkrSSR, in conjunction with the Zaporozhskiy mashinostroitelnyy institut (Zaporozhe Machine-Building Institute) and the "Dneproproststal" factory, began a systematic experimental study of the electroslag smelts. The fatigue strength of
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L 23068-65
ACCESSION NR: AT4049947

heat-treated, smooth or grooved, cylindrical ShKh15 steel samples, 8.0 mm in diameter, was tested by 10^7 cycles of 50 cps pure bending stress. Corrosion was checked in 3% NaCl solution, approximating sea water. The results show that: 1. electroslag smelting of ShKh15 steel increases the resistance to fatigue of hardened and annealed samples in air as well as in a corrosive medium; 2. after electroslag smelting, the metal exhibits a longer life in air as well as in water; 3. the stability in air seems to result from a sharp reduction in nonmetallic admixtures. The removal of internal stress concentrators make the metal more uniform and dense. The electrochemical nonuniformities are likewise reduced, diminishing the self-corrosive action of the medium. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 28May63

ENCL: 00

SUB CODE: MM

NO REF SOV: 004

OTHER: 000

Card 2/2

L 24457-5 ENT(m)/EWP(w)/EVA(d)/EPR/T/EWP(t)/EWP(b) EX/VB/JD/HJW

ACCESSION NR: AP4043726

5/0021/64/000/008/1035/1037

AUTHOR: Ishchenko, I. I.; Malynovska, I. A. (Malinovskaya, I. A.)

27

18

B

TITLE: The effect of residual stresses on the fatigue strength of steel with an acute stress concentrator 26

SOURCE: AN UkrRSR. Dopovid, no. 8, 1964, 1035-1037

TOPIC TAGS: steel fatigue strength, cyclic bending strength, steel corrosion, residual stress, strain hardening, stress concentrator/steel 12KhNZA 6

ABSTRACT: The authors studied the ability of residual tension or compression stresses to concentrate around open notches in deformed samples of 12 KhNZA steel. The results, shown graphically in the text, reveal that both smooth and notched samples bent in air or water showed a decrease in bending strength with increasing numbers of cycles. Preliminary stretching of notched samples markedly increased their resistance in air and water, while preliminary compression resulted in a decrease in strength compared to notched but not deformed samples. This marked increase (decrease) in fatigue resistance of previously stretched (compressed) notched samples can be explained only by the influence of the residual stresses. Therefore, the results obtained confirm the hypothesis

Cord 1/2

I. 25655-65

ACCESSION NR: AP4043726

that the residual stresses induce fatigue of samples in air and water. Tension stress appears to be dangerous to samples with open notches. Orig. art. has: 2 tables and 2 figures.

ASSOCIATION: Instytut mekhaniki AN URSR (Mechanics institute, AN UkrSSR)

SUBMITTED: 08Oct63

ENCL: 00

SUB CODE: MM,AS

NO REF SOV: 002

OTHER: 001

Card 2/2

ISHCHENKO, I.I.; KUYUN, A.I.; MALINOVSKAYA, I.A. [Malynovs'ka, I.A.]

Use of the thermoelectric method in studying plastic deformation
on the surface and inside a specimen with stress concentrator.
Dop. AN URSR no.7:873-875 '65. (MIRA 18:8)

1. Institut mekhaniki AN UkrSSR.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

RECORDED BY: [REDACTED]

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

ISHCHENKO, I.I.; BYELYANKIN, F.P., diysnyy chlen.

Surface cold working as a means of combating adsorption and corrosion fatigue.
Dop. AN URSR no. 6:483-486 '52. (MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Byelyankin). 2. Instytut budivel'noyi
mekhaniki Akademiyi nauk Ukrayins'koyi RSR (for Ishchenko). (Metals--Fatigue)

ISHCHENKO, I. I.

KARPENKO, G.V.; *ISHCHENKO, I. I.*

Residual compression stresses as a method of controlling "adsorption"
and corrosion fatigue in steel. Nauch.zap. IMA L'viv AN URSR 2 no.1:
84-93 '53. (MLRA 8:11)

(Steel--Fatigue) (Strains and stresses)

ISHCHENKO, I. I.

AID P - 468

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 31/34

Author : Ishchenko, I. I., Kand. of Tech. Sci.

Title : In the Ukrainian Academy of Sciences. (Current News)

Periodical : Elektrichestvo, 7, 92, J1 1954

Abstract : In March 1954 a meeting of the Academy of Sciences of the Ukrainian SSR was held in conjunction with the Kiev Polytechnical Institute to celebrate the 60th birthday anniversary and 35th anniversary of the scientific educational and social activity of K. K. Khrenov, chairman of the Department of Technical Sciences of the Academy of Sciences, USSR.

Institution : None

Submitted : No date

ISHCHENKO

Effect of the medium on the fatigue strength of steel under
various conditions. Karpenko, F. A., Mikhalev, L. I., Ishchenko,
A. A., Yudin, V. A. Neftegazov Poptery Uralnauka,
Ural'sk, 1958. 120 pp. (Collection of Scientific Papers of the Institute of
Metallurgy and Heat Treatment of Oil Products and Gases. No. 1).
The paper describes the results of fatigue tests of various types of steel profiles. The effect
of the medium on the fatigue strength of steel is determined by the presence of water droplets on the surface of the profile. The effect
of the medium on the fatigue strength of steel is determined by the presence of water droplets on the surface of the profile.

ISHCHENKO, I.I.

Effect of preliminary plastic stretching on the fatigue resistance of
steel in water. Dop. AN URSR no.1:52-53 '55. (MLRA 8:7)

1. Institut budivel'noi mekhaniki AN URSR. Predstaviv diysniy chlen AN
URSR F.P. Belyankin. (Steel--Fatigue)

KARPENKO, G.V., MIKHAYLOV, P.A., ISHCHENKO, I.I.

Simultaneous effect on the fatigue strength of steel of concentrated stress and surface active media. Dop. AN URSR no.5:
444-447 '55. (MIRA 9:3)

1. Institut mashinostroyeniya ta avtomatiki AN URSR. Predstaviv
diyenyi chlen AN URSR G.M. Savin.

(Steel--Fatigue)(Elasticity)

KARPENKO, Georgiy Vladimirovich; YATSYUK, Arseniy Ivanovich; ISHCHENKO, I.I.,
kand. tekhn. nauk, vidsp. red.; KISINA, I.V., red. vid-vo;
SKLYAROVA, V.E., tekhn. red.

[Effect of surface working upon the strength of steel in active
liquid media] Vplyv obrabotky poverkhn na vtomu mitsnist' stali v
aktyvnnykh rizdynykh sredovyschchakh. Kyiv, Vyd-vo Akad. nauk
URSR, 1958. 113 p. (MIRA 11:7)

(Steel) (Metal cutting)

GROZIN, B.D., prof., doktor tekhn.nauk; CHUDNOVSKIY, V.G., doktor tekhn.nauk, retsenzent; VAYNBERG, D.V., doktor tekhn.nauk; retsenzent; BARABASH, M., kand.tekhn.nauk, retsenzent; DRAYGOR, D.A., kand.tekhn.nauk, retsenzent; ISHCHEŃKO, I.I., kand.tekhn.nauk, retsenzent; HEVA, L.P., kand.tekhn.nauk, retsenzent; SALION, V.Ye., kand.tekhn.nauk, retsenzent; SHEVCHUK, V.A., kand.tekhn.nauk, retsenzent; SOROKA, M.S., red.izd-va; RUDENSKIY, Ya.V., tekhn.red.

[Studies in metallography and wear resistance of metals: collection of papers] Issledovaniia v oblasti metallovedeniia i kontaktnoi prochnosti metallov; sbornik dokladov. Pod obshchei red. B.D. Grozina. Kiev, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 127 p. (MIRA 12:1)

1. AN Ukrainskoj RSR, Kiev. Instytut budivel'noi mekhaniki.
2. Chlen-korrespondent AN Ukrainskoy SSR (for Grozin).
(Metallography) (Mechanical wear)

KARPENKO, Georgiy Vladimirovich [Karpenko, H.V.]; ISHCHEŃKO, I.I., kand.
tekhn.nauk, otv.red.; KISINA, I.V., red.izd-va; YEFIMOVA, M.I.
[Efimova, M.I.], tekhn.red.

[Corrosion fatigue of steel] Korozina v tom stali. Kyiv,
Vyd-vo Akad.nauk URSR, 1959. 175 p. (MIRA 13:1)
(Steel--Fatigue)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

ISHCHENKO, I.I.; MALASHENKO, S.V.

Sixtieth birthday of Mikhail Alekseevich Lavrent'ev. Prykl.
mekh. 6 no.4:458-464 '60. (MIRA 13:11)
(Lavrent'ev, Mikhail Alekseevich, 1900-)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

S/021/62/000/012/012/018
D251/0308

AUTHORS:

Ishchenko, I.I., and Malinov's'ka, I.A.

TITLE:

The fatigue strength of steel 45 after preliminary plastic elongation in water

PERIODICAL:

Akademiya nauk Ukrayins'koyi RSR. Dopovidzi, no. 12, 1962, 1598-1600

TEXT:

The tests carried out by the authors showed that, in contradistinction to similar tests in air carried out by previous researchers (N.I. Chernyak, Mekhanicheskiye svoystva stali v oblasti malykh plasticheskikh deformatsiy (Mechanical properties of steel in the region of small plastic deformation) Izd-vo AS UkrSSR, 1962; D.D. Papshev, Vestnik mashinostroyeniye, v. 10, 64, 1954; D.A. Draygor, Oznosostoykost' i ustalostnaya prochnost' stali v zavisimosti ot usiliya obrabotki i protsessa treniya (Abrasion stability and fatigue strength of steel in dependence on working strains and the friction process) Izd-vo AS UkrSSR, 1959) specimens of normalized, ground and machined steel 45 which were subjected to preliminary elongation did

Card 1/2

S/021/62/000/012/012/018

D251/D308

The fatigue strength ...

not exhibit any sharp decrease in the fatigue strength on testing in water. Comparisons with the results for testing in air are given in graphical form. There are 2 figures.

ASSOCIATION: Instytut mekhaniki AN UkrSSR (Institute of Mechanics of the AS UkrSSR)

PRESENTED: by F.P. Byelyankin, Academician

SUBMITTED: July 12, 1962

Card 2/2

ISHCHENKO, M.V.

Complications in the subarachnoidal treatment of tuberculous
meningitis using streptomycin. Vop. epid. i klin. tub. 5:124-135
'58. (MIRA 14:12)

(STREPTOMYCIN) (MENINGES--TUBERCULOSIS)

ISHCHENKO, V.

Work practice in hauling grain. Avt.transp. 32 no.6:17-18 Je '54.
(NLRB 7:9)

1. Krasnodarskiy avtotrest "Rossovkhstrans"
(Grain--Transportation)

ACCESSION NR; AP4024772

S/0080/64/037/003/0700/0704

AUTHOR: Maytak, G. P.; Ishchenko, N. A.; Yudenkova, I. N.

TITLE: Electrolytes for electro-chemical polishing of steel

Source: Zhurnal prikladnoy khimii, v. 37, no. 3, 1964, 700-704

TOPIC TAGS: Electrolyte, electro-chemical polishing, high carbon steel, sulfuric acid, phosphoric acid, corrosion inhibitor, unikol PB-5

ABSTRACT: A study was made of the conditions of anodic electro-chemical polishing of high carbon steel in electrolytes made up of mixtures of sulfuric and phosphoric acid in various proportions of the corrosion inhibitor "unikol PB-5" in amounts 0.5, 2.5, 5.0 and 10.0% (by volume of acid mixture volume), at 18-25 C. At the highest current density (100 amps/sq. decimeter) used, the electro-chemical polishing without addition of inhibitor is noted only in concentrated acid mixtures (10% of H₂O), rich in phosphoric acid (80, 70%). A low surface quality is obtained.

The introduction of a small addition of inhibitor intensely broadens the composition of acid mixtures in which the electro-polishing is observed, decreases the current densities that are needed for best electro-polishing, and improves its

Card 1/3

ACCESSION NR: AP4024772

quality. The optimum amount of addition of inhibitor is 2.5 to 5.0% by volume of acid mixture volume. Steel is not electro-polished in electrolytes with an inhibitor composed only of sulfuric acid (without phosphorus) or rich in sulfuric acid (more than 50-60%). It is polished in electrolytes made only of phosphoric acid with inhibitor, but to a poorer extent and with higher current densities in the case of electrolytes made of acid mixtures rich in phosphoric acid and addition of inhibitor. In electrolytes with 2.5 to 5.0% of inhibitor, the steel is electro-polished with a composition of acid mixtures which vary in wide limits (weight, %): H₂ from 10 to 20, H₃PO₄, from 90 to 30, H₂SO₄ correspondingly from 0 to 60 (with H₂O, 10) and H₃PO₄, from 80 to 30, H₂SO₄ correspondingly from 0 to 50 (with H₂O, 20). The best electro-chemical polishing of high carbon steel is observed in electrolytes made from acid mixtures of the following composition (weight, %): H₂O, 10; H₃PO₄, 70 to 50; H₂SO₄ correspondingly from 20 to 40 and additions of inhibitor "unikol PB-5" from 2.5 to 5.0% (by volume of acid mixture volume), at an anode current density from 25 to 100 A/sq. decimeter depending on electrolyte composition. The life of electrolytes with inhibitor "unikol PB-5"

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ACCESSION NR AP4024772

is much longer than observed in the sulfur-phosphorous-chromium electrolytes, but simple reactivation recovers them. Orig. art. has: 1 table

ASSOCIATION: (Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry, Academy of Sciences, AN UkrSSR)

SUBMITTED: 29Jun62 DATE ACQ: 16Apr54 ENCL: 00

SIZE: 05, 11 KC. PEF. SCV: 004 OTHER: 000

Card 3/3

L 51846-65 EWT(m)/EWP(l)/EWA(d)/EWP(t)/EWP(z)/EWP(b) JE

ACCESSION NR: AP5011815

UR/0080/65/038/004/0840/0845

621.357

AUTHOR: Maytak, G. P.; Ishchenko, N. A.

TITLE: Electropolishing steel with alternating current

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 4, 1965, 840-845

TOPIC TAGS: electrolytic polishing, steel

ABSTRACT: It was found that high-carbon steel can be electropolished by using a 50-cycle alternating current in electrolytes consisting of various mixtures of sulfuric acid and phosphoric acid and an admixture of the "unikol PB-5" corrosion inhibitor at current densities of 10-50 a/in². The region of electrolyte composition where the steel is electropolished with alternating current does not coincide with the region where it is polished with direct current, and is displaced relative to the latter towards solutions richer in phosphoric acid. When the amount of inhibitor is optimum (1% by volume of the acid mixture), the steel polishes well in electrolytes containing mixtures of the following composition (in wt. %): H₂SO₄, 10-20; H₃PO₄, 10-20 (depending upon the water content), at current densities of 10-15 a/in².

Cord 1/2

2-1846-68

ACCESSION NR: AP5011815

As the inhibitor concentration increases, the region of solutions suitable for the electropolishing of steel becomes wider. The introduction of the inhibitor lowers the lower limit of the current density range in which the steel is electropolished without altering its upper limit. When no inhibitor is used, the best results are obtained only in 1.3 phosphoric acid at current densities of 24, 26, and 35 A/cm².
Diss. art. has: 7 figures and 1 table.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry, AN UkrSSR)

SUBMITTED: 22Mar63

ENCL: 00

SUB CODE: MM

NO REF Sov: 007

OTHER: 000

LL
Card 2/2

TUL'CHINSKAYA, V.P. [Tul'chyns'ka, V.P.], prof.; YEDOTOV, M.I.;
ISHCHERKO, N.I.; TURCHIN, I.P. [Turchyn, I.P.]

Methods of differentiating immunodiagnostic reactions in
animals vaccinated against and in animals suffering from
brucellosis. Na dopom.sil'.hosp.ta vyr. no.5:15-18 '58.
(MIRA 13:3)

1. Kafedra mikrobiologii Odesskogo gosuniversiteta. 2. Chlen-
korrespondent AN USSR (for Tul'chinskaya).
(Brucellosis in cattle) (Vaccination)

ISHCHENKO, N.I.

Immunological indicators at remote periods after the vaccination
of mature cattle with living brucellosis vaccine. Pratsi Od. un. zbir.
mol. vchen. un. 148 no.3:207-212 '58 (MIRA 13:3)

1. Nauchnyy rukovoditel' - chlen-korrespondent AN USSR, prof. V.P.
Tul'chinskaya [V.P. Tul'chyna'ka]
(Brucellosis)

ISHCHENKO, N.I.

Remote immunobiological indices resulting from the immunization of
young cattle with a living brucellosis vaccine. *Mikrobiol. zhur.*
22 no.4:37-40 '60. (MIRA 13:11)

1. Iz Odesskogo gosudarstvennogo universiteta, kafedra mikrobiologii.
(BRUCELLOSIS—PREVENTIVE INOCULATION)

ISHCHENKO, N.I.; ULANOVSKIY, I.B.

Protective effect of aerobic bacteria on the corrosion of carbon
steel in sea water. Mikrobiologiya 32 no.3:521-525 My-Je'63
(MIRA 17:3)

1. Odesskiy institut inzhenerov morskogo flota.

ISHCHENKO, N.K., inzh.; LECHIN, M.I., inzh.; VIASENKO, V.M.

Small mine ventilation apparatus. Shakht. stroi. 6 no.6:11-13
Je '62. (MIRA 15:6)

1. Trest Artemshakhtstroy.

(Mine ventilation—Equipment and supplies)

MENDRINA, G.I.; ISHCHENKO, N.P.; ZHURAVLEVA, K.I.

Interprovince scientific conference on the regional history
of medicine in Siberia. Sov.zdrav. 14 no.5:61-62 S-0 '55.
(SIBERIA--MEDICINE) (MLRA 8:12)

ISHCHENKO, N.S., vrach.

Letter to the editor. Vest.khir. 73 no.3-78 My-Je '53.

(MLRA 6:6)

l. Raybol'nitsa, Baturin, Chernigovskaya oblast', USSR.
(Blood--Transfusion) (Shock)

OTROSHKO, Vasiliy Tikhonovich; ISHCHENKO, N.S., red.; GRISHKO, T.I.
[Hryshko, T.I.], tekhn. red.

[Raise rural construction to the level of modern problems]
Sil's'ke budivnytstvo - na riven' suchasnykh zavdani'. Kyiv,
Derzhbudvydav URSR, 1962. 37 p. (MIRA 16:5)
(Ukraine—Construction industry)

KILESSO, Sergey Konstantinovich; ISHCHENKO, N.S., red.; KIYANICHENKO,
N.S., red.; GRISHKO, T.I., tekhn. red.

Kanev. Kiev, Gosstroizdat USSR, 1964. 32 p. (MIRA 17:3)

KORNILOVICH, Yuriy Yevgen'yevich, doktor tekhn. nauk [deceased];
BELOKHVOSTIKOVA, Valentina Ivanovna, kand. tekhn. nauk;
ISHCHENKO, N.S., red.

[Ultrasonics in the technology of concrete] Ul'trazvuk v
tekhnologii betona. Kiev, Gosstroizdat USSR, 1964. 56 p.
(MIRA 17:6)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

ISHCHENKO, N.S., inzh.

Hydraulic calculation of the variable operating conditions
of a ventilation air pipe. Vod.. i san. tekhn. no.2:28-33
F '65. (MIRA 18:4)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

OL'KHOVOY, F.Ye.; LEMEGHKO, N.I.; BYKHOVA, L.N.; SHUMAKOVA,
L.A.; ISHCHEŃKO, N.S.; BERGER, K.V.; red.

[Antifriction bearings of construction equipment and
mechanized tools; a handbook] Podshipniki kacheniia
stroitel'nykh mashin i mekhanizirovannogo instrumenta;
spravochnik. Kiev, Budisel'nyk, 1965. 227 p.
(MIRA 18:11)

1. Nauchno-issledovatel'skiy institut stroitel'nogo pro-
izvodstva. Dnepropetrovskiy filial.

TUMAYKIN, N.S.; ISHCHENKO, N.V.

Cultivating Chernozem soils in the forest-steppe of the Altai.
Zemledelie 24 no.7:66-70 Jl '62. (MIRA 15:12)

1. Altayskiy nauchno-issledovatel'skiy institut sel'skogo
khozyaystva.
(Altai Territory—Tillage)

Zshchenko, O.I.
VAYSFEL'D, D.N.; GOL'DBERG, L.I.; ISHCHENKO, O.I.

Clinical course of a Q-fever outbreak in one of the districts of
Chelyabinsk Province. Sov.med. 21 no.11:127-130 N '57. (MIRA 11:3)

1. Iz uslovoy bol'nitsy stantsii Magnitogorsk Yuzhno-ural'skoy
shelesnoy dorogi (nach. A.M.Plotnik) i l-y gorodskoy bol'nitsy
Magnitogorska (glavnnyy vrach-zasluzhennyi vrach RSFSR G.I.Drobyshev).

(Q FEVER, case reports
rare clin. course)

ISCHENKO, T.A.

New Data on the Middle Carboniferous Flora of the Anthracite Regions of the Central Part of the Donets Basin (Ukrainian, with Russian resume). Geologichniy zh., 13, No 3, 1953, 51-64

The flora studied by the author occurs in the Dolzhan and Rovenet regions of the Donbass and is characterized by representatives of pteridophytes, i.e., ferns, sphenophils, horsetails, club mosses, etc. (RZhGeol, No 1, 1954)

SO: W-31128, 11 Jan 55

USSR/Geology - Paleontology

Card 1/1 Pub. 22 - 53/63

Authors : Ishchenko, T. A.

Title : Sporogenous organs of *Calamites undulatus* Sternb.

Periodical : Dok. AN SSSR 99/6, 1085-1086, Dec 21, 1954

Abstract : The discovery, among certain rocks, of sporogenous veins known in paleobotanical literature as *Palaeostachya pendunculata* Will., is reported. Two USSR references (1938-1952). Illustrations.

Institution : Academy of Sciences USSR, Institute of Geological Sciences

Presented by : Academician D.I. Shcherbakov. October 11, 1954

ISHCHENKO, T.A.

Sporidiferous organs of Lepidodendron ophiurus Brongn.
Dop. AN URSR no. 4: 384-389 '55. (MIRA 9:2)

1. Institut geologicheskikh nauk AN URSR. Predstaviv diysniy
chlen AN URSR V.G. Bondarchuk.
(Paleobotany)

ISHCHENKO, T. A.

Ishchenko, T. A.

"Central Carbonaceous flora of the central portion of the Donets basin." Acad Sci Ukrainian SSR. Inst of Geological Sciences. Kiev, 1956 (Dissertation for the degree of Candidate in Geologico-mineralogical Sciences)

Knizhnaya letopis'
No. 25, 1956. Moscow

15-1957-3-2732D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 30 (USSR)

AUTHOR:

Ishchenko, T.A.

TITLE:

Middle Carboniferous Flora From the Central Part of the
Donets Basin (Srednekamenogol'naya flora tsentral'noy
chasti Donetskogo basseyna) [The author's dissertation
for the degree of Candidate of Geological and Mineralogi-
cal Sciences, presented to the Inst. geol. nauk AN Ukr-
ainian SSR (Institute of Geological Sciences, Academy of Sciences,
Ukrainian SSR), Kiev, 1956]

ABSTRACT:

The flora contains a variety of species and an abundance
of specimens of each species. Among them 114 species
were identified, representing ferns (7 species), equise-
tums (20 species), club mosses (42 species), seed ferns
(37 species), Cordaitaceae (4 species), and families of
indeterminate systematic position (4). The genus Macro-
stachia was found in the Donets Basin for the first

Card 1/2

15-1957-3-2732D

Middle Carboniferous Flora From the Central Part of the Donets Basin
(Cont.)

time, and nine new species were discovered. Spore-bearing organs of equisetums and club mosses were found, and a study of them has made it possible to associate some with the plants that produced them. The plants have been identified by the imprints of their vegetable parts. The restriction of the plants to definite layers in the section permits boundaries to be drawn for the deposits of the Moskovskiy and Bashkirskiy stages. The flora were uniform throughout the entire basin in Middle Carboniferous time.

R. A. V.

ASSOCIATION: Inst. geol. nauk AN UkrSSR (Institute of Geological Sciences, Academy of Sciences, Ukrainian SSR)

Card 2/2

Ishchenko, T. A.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
pp 37-38 (USSR) 15-1957-7-9095

AUTHOR: Novik, Ye. O., Ishchenko, T. A.

TITLE: Flora of the Carboniferous Deposits of the Galitsiysko-Volynskiy Basin (Flora kamennougol'nykh otlozheniy Galitsiysko-Volynskoy-vpadiny)

PERIODICAL: Tr. In-ta geol. nauk AN SSSR, 1956, vol 10, pp 200-260

ABSTRACT: The Carboniferous sediments of the basin belong to the Lower Carboniferous and to the lower part of the Middle Carboniferous (Bashkirskiy stage). In them 45 species of fossil plants have been discovered--ferns, rushes, club mosses, seed ferns, and cordaites. These plants are distributed irregularly throughout the geologic section. Deposits of the Tournaisian and the lower part of the Visean stages contain few plant remains (6 species). A large number of species are

Card 1/2

15-1957-7-9095

Flora of the Carboniferous Deposits of the Galitsiysko-Volynskiy Basin (Cont.)

found in the Upper Visean (23 species) and the Namurian (30 species) sediments, and somewhat fewer in the Bashkirskiy rocks (22 species). Detailed descriptions are given of these fossil plants. The characteristic flora of different horizons of the Carboniferous deposits in the basin are listed. A comparison is made between the Carboniferous flora of the Galitsiysko-Volynskiy basin and those of adjacent regions of the USSR; it is similar to the flora of the Donets basin and the Dnepr-Donets basin. A similarity was noted between the Visean flora of the Galitsiysko-Volynskiy basin and the flora of the coal-bearing series of the Moscow basin and the Moravian-Silesian roofing slates of Czechoslovakia.

T. A. Ishchenko

Card 2/2

BRAZHNKOVA, N.Ye.; ISHCHENKO, A.M.; ISHCHENKO, T.A.; NOVIK, Ye.O.; SHUL'GA, P.L.; BONDARCHUK, V.G., akademik, otvetstvennyy redaktor.

[Fauna and flora of Carboniferous deposits of the Galician-Volyn Lowland] Fauna i flora kamennougl'nykh otlozhenii Galitsiisko-Volynskoi vpadiny. Kiev, Izd-vo Akademii nauk Ukrainskoj SSR, 1956. 409 p. (Akademiia nauk URSR, Kiev. Institut geologichnykh nauk. Trudy. Seriya stratigrafi i paleontologii, no.10) (MERA 9:11)

1. Akademiya nauk URSR (for Bondarchuk).
(Galician-Volyn Lowland--Paleontology, Stratigraphic)

ISHCHENKO, T.A.

Macrostachya from the Donets Basin coal deposits. Dop. AN URSR
no.15:461-464 '56. (MLRA 10:2)

1. Institut geologicheskikh nauk Akademii nauk URSR. Predstavлено
академиком Академии наук USSR V.G. Bondarchukom.
(Donets Basin--Paleobotany)

ISHCHENKO, Tamara Anastas'yevna; NOVIK, Ye.O., otvetstvennyy redaktor;
IMB, N.D., redaktor izdatel'stva; SIVACHENKO, Ye.K., tekhnicheskiy
redaktor.

[Middle Carboniferous flora of the central part of the Donets Basin.]
Srednekamennogol'naia flora tsentral'noi chasti Donetskogo basseina.
Kiev, Izdatel'stvo Akademii nauk USSR, 1957. 204 p. (Akademiia nauk URSR, Kiev.
Institut geologicheskikh nauk. Trudy. Seriya stratigrafii i paleontologii,
no.12) (MLRA 10:7)

1. Chlen-korrespondent Akademii nauk USSR (for Novik).
(Donets Basin--Paleobotany)

ISHCHENKO, T.A.

SHUL'GA, P.L.; ISHCHENKO, A.M.; ISHCHENKO, T.A.; GORAK, S.V.

On the Devonian supersaline series in the region of Kalaidintsev
in the Dnieper-Donets Lowland. Dop. AN URSR no.2:165-168 '57.
(MLRA 10:5)

1. Institut geologicheskikh nauk AN URSR. Predstaviv akademik
AN URSR V.G. Bondarchuk.
(Dnieper Lowland--Geology, Stratigraphic)

Ishchenko, T.A.

AUTHORS	Shul'ga, P.L., Ishchenko, A.M., Ishchenko, T.A. and Gorak, S.V.	20-4-42/60
TITLE	New Data Concerning the Devonian of the Dnepr-Donets Depression. (Novyye dannyye o devone Dneprovsko-Donetskoye vpadiny.)	
PERIODICAL	Doklady Akademii nauk SSSR, 1957, Vol. 115, Nr 4, pp. 780-782 (USSR)	
ABSTRACT	Devonian deposits in a normal, undisturbed stratification above the salt mass in the above-mentioned depression were hitherto unknown, although they were since 20 years discovered in breccias at several places. This rendered difficult the determination of the character of the upper salt mass as well as of its age. Just as unsolved remained the problem of the salt age, although several researchers stubbornly ascribed to it a Jivet age. Below the Devonian of the Chernigov elevation and the Pripyat' depression no salt was found. The Pripyat' depression is recently considered by some geologists as a structure independent of the Dnepr-Donets depression. This gave rise to the assumption of a different facial stand of the Devonian in these two regions and of a different age of salt in them. It was not before a	

CARD 1/3

20-4-42/60

New Data Concerning the Devonian of the Dnepr-Donets Depression.

deep boring near the village Kalaydintsy (northwest of Lubny) in the year 1956 that clearness was obtained. But the Devonian layers were wrongly classified with the Carboniferous, in spite of the Devonian age of the species determined from it. Upper Vise deposits occur in the Devonian reef. Numerous foraminifera were determined here which indicate an agreement of the contained rocks with the lower half of the Cyg zone of the Donets basin. After a thorough description of the individual layers and the fossils contained in them the authors come to the following conclusion:

- 1) Apart from the salt and the lower portion of salt the Devonian is in the Dnepr-Donets depression represented by a normally deposited thick (about 2000 m) mass of Upper Devonian upper salt deposits. They correspond to the upper salt mass of the Upper Devonian of the Pripyat' deflection.
- 2) In the late Devonian era the Dnepr-Donets depression and the Pripyat' deflection formed a uniform geological structure. They possessed a uniform stage formation and sedimentation which took place as well

CARD 2/3

ISHCHENKO, T.A.

Lepidodendropsis flora in the southern part of the Donets Basin.
Paleont. zhur. no.3:98-102 '61. (MIRA 15:2)

1. Institut geologicheskikh nauk AN USSR.
(Donets Basin--Paleobotany, Stratigraphic)

ISHCHENKO, T.A.

Finds of middle Devonian flora in southern outskirts of the Donets Basin. Dokl. AN SSSR 137 no.3:660-662 Mr '61. (MIRA 14:2)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom N.M.Strakhovym.
(Donets Basin—Paleobotany, Stratigraphic)

AYZENVERG., D.Ye. [Aizenverh, D.IE.]; BRAZHNICKOVA, N.Ye. [Brazhnikova, N.IE.];
ISKECHENKO, T.A.; LAGUTIN, P.K. [Lahutin, P.K.]

Carboniferous basalt layers in the Donets Basin. Geol.zhur. 23 no.1:73-78
1963. (MIRA 16:4)

1. Institut geologicheskikh nauk AN UkrSSR.
(Donets Basin-Basalt)

ISHCHENKO, T.A.

Paleophytologic division of Devonian sediments in the southern Donets Basin. Geol. zhur. 24 no.1:83-89 '64. (MIRA 18:7)

1. Institut geologicheskikh nauk AN UkrSSR.

ISHCHENKO, Tamara Aanastas'yevna; NOVIK, Ye.O., otv. red.

[Devonian flora of the Greater Donets Basin] Devonskaia
flora BoJ'shogo Donbassa. Kiev, Naukova dumka, 1965. 118 p.
(MIRA 18:8)

1. Chlen-korrespondent AN Ukr.SSR (for Novik).

AUTHOR: Rotenberg, G.I., Engineer, Ishchenko, T.N., Mechanic SOV-91-58-11-4/20

TITLE: Sealing the Mouths of Sh-16 Ball Mills (Uplotneniye gorlovin sharovykh mel'nits Sh-16)

PERIODICAL: Energetik, 1958, Nr 11, p 14 (USSR)

ABSTRACT: The authors state that the work design of the mouths of Sh-16 coalcrushing ball mills has many defects; the coal-feeding and dust-extracting branch pipes are connected with the bushing of a hollow journal without sealing, as a result of which the dust is forced outside. Besides this, worn balls get into the gap between the face of the pipe and the bushing, cutting both of them. This also occurs because the spiral for returning the balls from the mouth to the drum of the mill does not reach as far as the bushing. Some of the balls are therefore continually rotating

Card 1/2

Sealing the Mouths of Sh-16 Ball Mills

SOV-91-58-11-4/20

in the bushing. The authors also state that in order to prevent this, an asbestos-graphite gasket has been designed at their power-station, which has been working satisfactorily for two years. There is one diagram.

Card 2/2

1. Ball mills--Design

9,3280

S/142/61/004/003/009/016
E140/E435

AUTHOR: Ishchenko, V.A.

TITLE: Diode squarer

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika,
1961, Vol.4, No.3, pp.329-332

TEXT: The note gives a method for calculating the circuit parameters of a biased-diode squarer. The calculation is based on a piecewise-linear approximation to the required characteristic, assuming ideal diodes. The departures from ideality of real diodes have the effect of improving the approximation. A circuit using thermionic diodes calculated by the method proposed had an input range of 3 to 50 V with output error $\pm 3\%$. There are 5 figures and 2 Soviet references.

ASSOCIATION: Kafedra radiopriyemnykh ustroystv
Kiyevskogo ordena Lenina politekhnicheskogo instituta
(Department of Radioreceiving apparatus, Kiev Order Lenin Polytechnical Institute)

SUBMITTED: February 12, 1960
Card 1/1

✓B

L 52215-65 EWT(d)/EEC(k)-2/EEC-4 Po-4/Pg-4/Pg-4/Pk-4/P1-4

ACCESSION NR: AP5011952

UR/0142/65/008/001/0072/0077
621.317.742

AUTHOR: Grankin, I. M.; Ishchenko, V. A.

TITLE: Errors in measurement of phase shifts at shf by some interference-type systems

SOURCE: IVUZ. Radiotekhnika, v. 6, no. 1, 1965, 72-77

TOPIC TAGS:phase measurement, shf phase measurement

ABSTRACT: Methods are considered of shf phase measurements by the interference-type systems in which a measuring line is used as a reference phase shifter (see Figs. 1, 2, and 3 of the Enclosure). An analysis of errors due to mismatch of individual elements and to the attenuation introduced by the test element permits drawing these conclusions: (1) The circuit shown in Fig 1 of the Enclosure is suitable for testing the elements that have low attenuation and low voltage standing wave ratio SWR; (2) The circuits shown in Figs. 2 and 3 of the Enclosure should be used for testing the elements with higher attenuation and voltage SWR; (3) Phase modulation permits eliminating the effect of attenuation on the error and facilitates the measuring process. Orig. art. has: 3 figures and 28 formulas.

Card 1/3

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4

110215-65

ACCSATION NR: APSC 11052

ASSOCIATION: none

SUBMITTED: 10Jan64

ENCL: 01

SUB CODE: SC

NO REF SOV: 003

OTHER: 002

Card 2/3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820020-4"

L 52215-65

ACCESSION NR: AP5011952

ENCLOSURE: 01

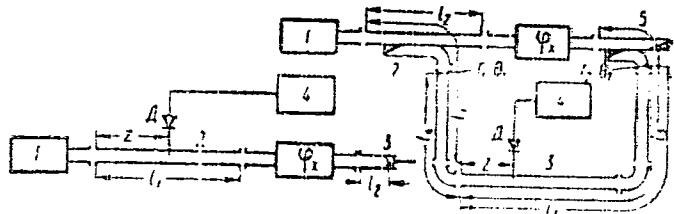


Fig 1. Phase measuring circuit
Fig 2. Phase measuring circuit with directional couplers

- element being tested; 1 - oscillator.

2 - measuring line
3 - short-circuiting plunger
4 - amplifier-indicator.

2 - 5 - directional couplers

3 - measuring line

4 - amplifier-indicator

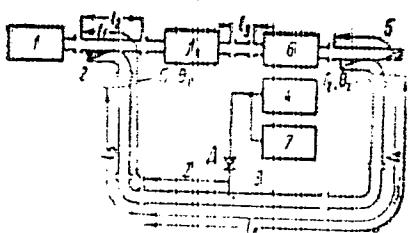


Fig 3. Phase measuring circuit with a phase modulator

2 - 5 - directional couplers

3 - measuring line

4 - amplifier-indicator

6 - phase modulator

7 - amplifier-indicator of
-frequency detector-
current component

Card 3/3

L 31902-66

ACC NR: AP6010725

SOURCE CODE: UR/0142/66/009/001/0071/0080

32
B

AUTHOR: Ishchenko, V. A.

ORG: none

TITLE: Direct-reading four-detector broad-band impedance meter

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 1, 1966, 71-80

TOPIC TAGS: ~~impedance meter~~, electric impedance, FREQUENCY METERS,
~~PHASE MEASUREMENT~~

ABSTRACT: Errors in measuring the modulus and phase of the complex reflection factor due to deviation from the central frequency are analyzed for: (1) SHF impedance meter with probes deployed along the waveguide (A. L. Samuel, PIRE, 1947, v. 35, no. 4, 1279; M. Kummer, Wiss. Z. der Hochsch. Elektrot., 1961, v. 7, no. 2, 169); (2) Same, with four inductive probes in one cross-section; (3) Same, with probes in two cross-sections. Methods of constructing optimal

Card 1/2

UDC: 621.317.742

L 31902-66

ACC NR: AP6010725

systems of power stabilization for the above schemes are discussed. Plots of the above errors vs. modulus are shown for the above three schemes in their optimal versions. Scheme 3 has the widest range, while Scheme 2 shows the greatest errors. Orig. art. has: 6 figures and 46 formulas.

SUB CODE: 09 / SUBM DATE: 10Jan64 / ORIG REF: 001 / OTH REF: 003

LS

Card 2/2

NAZAROV, I.N.; MASHKOVSKIY, M.D.; RUDENKO, V.A.; PROSTAKOV, N.S.; ISHCHENKO, V.I.

New analgesic promedol. Klin. med., Moskva 30 no.8:60-63 Aug 1952.
(CLML 23:2)

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TITLE: Spot-welding of a special aluminum section with a sheet

PERIODICAL: Svarochnoye proizvodstvo, no. 12, 1962, 22 - 23

TEXT: The Central welding laboratory of the Kaliningrad sovnarkhoz has designed special-shaped upper electrodes (2) for spot welding ПВ -221 (PV-221) sections (1) to sheets on МТИП (MTIP) resistance welding machines (Figure 1). The lower electrode(3) is oval-shaped. Conditions for welding AMг 6 (AMg6)-alloy ribs on a MTIP-1000 machine are given. Comparative tests were made with specimens subjected to discontinuous argon-arc and spot welding. Shearing and breaking tests yielded the following results:

Test method	Welding method	Rupture load on the weld in kg	Rupture load on a spot in kg
Shearing	Resistance	5,730	1,141
	Argon-arc	3,420	-
Breaking	Resistance	2,986	597
	Argon-arc	2,220	-

Card 1/2

Spot-welding of a special aluminum...

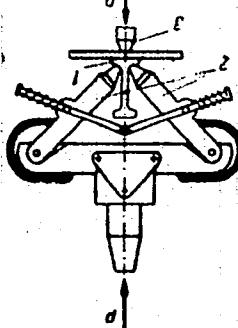
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The described electrodes were used during one year and showed satisfactory results, i.e. higher efficiency, savings in argon, electrode wire, and tungsten, and reduction of expenses caused by the straightening of assemblies after argon-arc welding. Welding conditions:

Thickness in mm	Welding force in kg	Peening force in kg	Transformer step	Welding time in sec
2 - 3.5	900	2,100	VI	0.4
3 - 3.5	1,000	2,200	VI	0.5

There are 2 tables and 5 figures.

Figure 1. Special electrodes for welding PV-type sections to a sheet



Card 2/2

KOBURNEV, I.M., TIKHONOVSKIY, I.S., inzh.; SHVARTZ, I.A., inzh.;
ISHCHENKO, V.K., inzh.; PEREDISTOV, V.I., inzh.

Using natural gas in triple flue open-hearth furnaces.
Stal' 24 no.5:419-420 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

ISHCHENKO, V.N.

Effect of the angles of wheel camber on the location of banking center. Avt.prom. 28 no.8:14-18 Ag '62. (MIRA 16:3)

1. Zaporozhskiy avtozavod "Kommunar".
(Motor vehicles—Wheels)

ISHCHENKO, V.N.

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independent single-arm suspension of a motor vehicle. Avt. prom.
30 no.7:29-31 Jl '64. (MIRA 17:9)

1. Zaporozhskiy avtozavod "Kommunar".

ISHCHENKO, V.N., inzh.

Angle of heel of a motor vehicle with an independent
single-lever rear suspension. Izv. vys. ucheb. zav.;
mashinostr. no.9:99-103 '65. (MIRA 18:11)